



SEQUENCE LISTING

<110> THE Regents of the University of California
Whistler, Jennifer L

<120> METHODS AND COMPOSITIONS FOR MODULATING AGONIST-INDUCED DOWNREGULATION
OF G PROTEIN-COUPLED RECEPTORS

<130> 316E-001510US

<140> US 10/622,373

<141> 2003-07-18

<160> 7

<170> PatentIn version 3.1

<210> 1

<211> 4185

<212> DNA

<213> Homo sapiens

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Phe Lys Glu Glu Ala Gln Met Trp Ala Gln Pro Arg Phe Gly Ala Glu
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Ser Glu Asp Arg Glu Leu Val Asn Thr Asp Thr Glu Ser Phe Pro Arg
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Arg Lys Ala His Tyr Gln Ala Gly Phe Gln Pro Ser Phe Arg Ser Lys
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Gln Glu Ala Ser Pro Asn Ser Asp Phe Lys Trp Val Asp Lys Ser Val
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Glu Ser Ser Leu Gln Val Glu Asp Glu Ser Ile Ile Gly Ser Trp Phe		
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Glu Ile Thr Val Gly Ser Trp Phe Trp Pro Glu Glu Glu Ala Ser Ile
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Arg Pro Lys Thr Glu Thr Lys Ser Val Pro Ala Ala Arg Pro Lys Thr
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Glu Ala Gln Ala Met Ser Gly Ala Arg Pro Lys Thr Glu Val Gln Val
65 70 75 80

Met Gly Gly Ala Arg Pro Lys Thr Glu Ala Gln Gly Ile Thr Gly Ala
85 90 95

Arg Pro Lys Thr Asp Ala Arg Ala Val Gly Gly Ala Arg Ser Lys Thr
100 105 110

Asp Ala Lys Ala Ile Pro Gly Ala Arg Pro Lys Asp Glu Ala Gln Ala
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Trp Ala Gln Ser Glu Phe Gly Thr Glu Ala Val Ser Gln Ala Glu Gly
130 135 140

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145 150 155 160

Gly Ser Val Thr Lys Ser Lys Gly Leu Ser Met Asp Arg Glu Leu Val
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195 200 205

Tyr Ser Arg Pro Arg Ala Arg Glu Glu Ala Ser Asn Glu Ser Gly Phe
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245 250 255

Arg His Arg Ala Lys His Gln Thr Asn Pro Arg Ser Arg Pro Arg Ser
260 265 270

Lys Gln Glu Ala Tyr Val Asp Ser Trp Ser Gly Ser Glu Asp Glu Ala
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Ala Ile Gly Gly Ser Ala Tyr Trp Ala Glu Glu Lys Ser Ser Leu Gly
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Ala Val Ala Arg Glu Glu Ala Lys Pro Glu Ser Glu Glu Glu Ala Ile
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Phe Gly Ser Trp Phe Trp Asp Arg Asp Glu Ala Cys Phe Asp Leu Asn
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Pro Cys Pro Val Tyr Lys Val Ser Asp Arg Phe Arg Asp Ala Ala Glu
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675 680 685

His Ser Val Asp Ser Leu Glu Gln Leu Thr Gly Ile Arg Met Leu Arg
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His Leu Thr Met Thr Ile Asp Tyr His Thr Leu Ile Ala Asn Tyr Met
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Ser Gly Phe Leu Ser Leu Leu Thr Thr Ala Asn Ala Arg Thr Lys Phe
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His Val Leu Lys Met Leu Leu Asn Leu Ser Glu Asn Pro Ala Val Ala
740 745 750

Lys Lys Leu Phe Ser Ala Lys Ala Leu Ser Ile Phe Val Gly Leu Phe
755 760 765

Asn Ile Glu Glu Thr Asn Asp Asn Ile Gln Ile Val Ile Lys Met Phe
770 775 780

Gln Asn Ile Ser Asn Ile Ile Lys Ser Gly Lys Met Ser Leu Ile Asp
785 790 795 800

Asp Asp Phe Ser Leu Glu Pro Leu Ile Ser Ala Phe Arg Glu Phe Glu
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Tyr Xaa Gly Phe Xaa
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